

Agricultural REVIEW

Volume: 96 - No. 4

April 2021

Raleigh, N.C.

USDA extends program deadline to April 9

Tobacco an eligible crop under the program

The U.S. Department of Agriculture has extended the deadline for the Quality Loss Adjustment Program to April 9.

The program aims to help farmers and agriculture industry producers who have been affected due to the COVID-19 pandemic. For more information, including eligible crops and how to apply, go to <https://www.farmers.gov/quality-loss/faq>

Boll weevil assessment set at 75 cents an acre

The board of the Boll Weevil Eradication Foundation of North Carolina recently set the 2021 boll weevil assessment at 75 cents per acre of cotton. The amount remains the same as in 2020.

The fee supports the foundation's efforts to monitor cotton acreage in North Carolina for any re-introduction of the boll weevil and to respond promptly with eradication treatments if necessary.

"This trapping and monitoring program is a great investment for farmers who already have a lot of variables to manage in raising a crop," said Agriculture Commissioner Steve Troxler. "Eliminating the boll weevil from our state years ago has allowed us to have a viable cotton crop. We certainly don't want to see the return of this devastating pest, and this program helps us keep an eye on cotton fields in case of any spot re-introductions."

Foundation contractors will install the green-colored traps and monitor from late summer until after harvest and frost. Because the focus of North Carolina's program has shifted from eradication to monitoring, the number of traps in fields has decreased.

As such, each trap is critical, and farmers are encouraged to contact the foundation if traps are damaged or knocked down.

(See Boll weevil, pg. 4)

Got to Be NC Festival canceled for 2021

Agriculture Commissioner Steve Troxler has announced the cancellation of the 2021 Got to Be NC Festival citing the ongoing COVID-19 pandemic.

"We are making progress in the state getting people vaccinated against this deadly virus, but we still have a ways to go in these efforts before a larger percentage of the population is vaccinated," Troxler said. "We want people to be able to come out and safely enjoy all the fun activities offered at the Got to Be NC Festival, but it doesn't make sense at this time to try to hold this annual event."

"I encourage folks to get vaccinated when it is their turn, so we can return to having events like the festival and the N.C. State



Fair," he said. "Our staff is busy planning for the 2021 State Fair and we are looking forward to this fall tradition."

The Got to Be NC Festival highlights North Carolina's agriculture and agribusiness industry, including North Carolina food products. Go to the Got to Be NC webpage at <https://gottobencc.com> to find products showcased at the festival.

NCFS advises to use caution when burning debris

In North Carolina, March through May is historically recognized as spring wildfire season, a period when conditions are more favorable for wildfire. As residents begin working in their yards, the N.C. Forest Service urges them to think before burning yard debris.

"Every year, almost 40 percent of wildfires in North Carolina are the result of careless debris burning," said Agriculture Commissioner Steve Troxler. "To protect ourselves and our forestland from wildfire, we have to be responsible and

vigilant. Check the weather. Make sure you're prepared to burn before you do. Never leave a debris fire unattended, and always have a water source and phone nearby in case you need them."

There are many factors to consider before burning yard debris. The N.C. Forest Service encourages residents to contact their local county forest ranger for technical advice and options to help ensure the safety of people, property and the forest. To find contact information for your local

NCFS county ranger, visit www.ncforestservice.gov/contacts. The N.C. Forest Service offers the following tips to protect property and prevent wildfires:

Consider alternatives to burning. Some types of debris, such as leaves, grass and stubble, may be of more value if they are not burned, but used for compost or mulch instead.

Check local burning laws. Some communities allow burning only during specified hours. Others forbid it entirely.

Make sure you have a valid permit. You can obtain a burn permit at any open authorized permitting agent or online at www.ncforestservice.gov/burnpermit.

Local fire officials can recommend a safe way to burn debris. Don't pile vegetation on the ground. Instead, place it in a cleared area and contain it in a screened receptacle away from overhead branches and wires. Keep your pile small, not tall.

Stay informed about the weather

(See Debris burning, pg. 4)

From the tractor



Commissioner Troxler

We are now nearly a month into food and agricultural workers being eligible to get a COVID-19 vaccine, and I want to encourage the agriculture community to sign up to take the shot if they have not done so already.

I have received my vaccine already and feel better knowing

by Agriculture Commissioner Steve Troxler

I am helping to achieve herd immunity from this deadly virus.

As an essential industry, a healthy workforce is critical to agriculture and agribusiness. At a department level, we have advocated for agriculture and agribusiness to be given priority status for vaccinations because of the critical nature of the work we do.

To help farmworkers get vaccinated, the N.C. Department of Health and Human Services Farmworker Vaccination Plan takes a team approach, using staff from farmworker health clinics, N.C. Cooperative Extension, local health departments and community health workers. These teams will be reaching out to farm workers, farm labor contractors and farmers to facilitate vaccination.

I would encourage you to talk to

your workers about the importance of COVID-19 vaccinations and share information with them that has been developed by DHHS and local health departments. You can find links to information in Spanish and English on our website at www.ncagr.gov. Just click on the COVID-19 link on the front page.

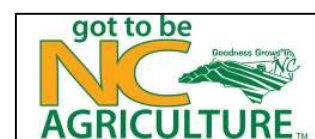
In addition to sharing information, DHHS suggests farmers can create a list of names and birthdates of farmworkers who are interested in getting a vaccine, and make sure they have some form of ID with their first and last names on it. This can be a foreign document, and it will be used for registration purposes only.

COVID-19 has created many challenges for agriculture, but our farm community has quickly adapted to be able to continue to

meet the needs of consumers. I am hopeful as more and more people are vaccinated, that we can return to meeting in person, return to our workstations and return to the events, activities and family gatherings that bring us so much joy.

We are moving in the right direction and I pray we get there soon.

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N.C. Farmers
Buy Local**



Agricultural Review

17,000 copies of this public document were printed at a cost of \$686.44 or 3.9 cents per copy.

Andrea E. Ashby Editor & Mng. Editor
Jackie Bullock.....Ads & Circulation Mgr.
Heather Overton.....Staff Writer
Joey Pitchford.....Staff Writer
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Taylor Parrish.....Social Media

AGRICULTURAL REVIEW (ISSN 07445466) is published monthly by the N.C. Department of Agriculture and Consumer Services, 2 W. Edenton St., Raleigh, NC 27601. Second-class postage paid at Raleigh, N.C.

POSTMASTER: Send address changes and classified advertising to AGRICULTURAL REVIEW, 1001 Mail Service Center, Raleigh, NC 27699-1001.

AGRICULTURAL REVIEW is printed in interest of the farmers of the State and is sent free to residents upon request.

PHONE: 919-707-3001
Steve Troxler
Commissioner

DIVISIONS

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A few tips to understanding ag lime

Spring is in the air and many growers are already in the field preparing for the 2021 growing season. Similarly, gardeners are preparing beds either for planting vegetables or spring or summer landscape plants, which often includes applying lime to lower excessive soil acidity.

By applying lime according to soil test recommendations, you achieve an optimum pH for your soil and provide balanced availability of plant essential nutrients. It also enhances the chemistry of the soil for roots and important soil organisms to flourish.

North Carolina is fortunate to have a lime law that is administered through the Plant Industry Division’s Seed and Fertilizer Section with the N.C. Department of Agriculture and Consumer Services. The N.C. Agricultural Liming Materials and Landplaster Act is to protect consumers so that products allowed for sale meet designated chemical purity and physical property or particle size requirements. The law also directs manufacturers of product specific minimum standards that must be met to be sold as lime in our state.

“While there is much complexity in this law as related to these requirements, the consumer can

quickly determine if a product will be effective to neutralize acidity or increase soil pH by key information found on lime labels,” said Brian Bowers, seed and fertilizer administrator for the Plant Industry Division.

On the label of lime products, consumers should look for claims of the calcium carbonate equivalent (CCE) as a percentage in weight, relative to pure calcium carbonate of 100 percent. This indicates that the product does have the chemical capability or purity to neutralize soil acidity. If it is not documented, then the product is not a lime and cannot be sold as such.

There is no minimum calcium carbonate equivalent requirement for limestone sold in North Carolina. However, the product must be labeled to show the amount necessary to equal that provided by a liming material having a 90 percent calcium carbonate equivalent.

The other important criteria consumers should look for relates to the physical aspect of lime or the size of limestone particles. In the crushing and preparation of limestone, screens with specific

(See Lime information, pg. 5)

Farms across the state offer spring activities and events

North Carolina farms across the state will have plenty of outdoor experiences and local food options this spring as they open their gates to welcome visitors. Farms are offering small group, reservation only and timed-ticketed events this spring.

There are a variety of agritourism activities to choose from including Easter egg hunts, strawberry picking, Mother’s Day events and farmers markets. Following is a selection of experiences offered at North Carolina farms through Memorial Day. Visitors are encouraged to download the Visit NC Farms app to discover more than 1,000 destinations and farms nearby and across the state. Visitors are encouraged to verify event dates and hours of operation before going.

Western NC

- Shaka Alpaca Farm of Murphy is offering small group farm tours and alpaca treks this spring. Hands-on guest activities include walking an alpaca.
- Visit Sandy Mush Herb Nursery of Leicester for by-appointment self-guided nursery and greenhouse tours with the opportunity to purchase plants from its extensive collection.
- Make a spring lamb season tour reservation at Winding Stair Farm of Franklin. Begins April 24.
- Visit Wildcat Ridge Farm of Clyde in the month of May to experience its 2021 Festival of Peonies in Bloom.
- Triple BBB Vineyard of Shelby is offering picnic reservations this spring. Come out and enjoy the farm scenery.
- Valley River Vineyards of Murphy is open for outdoor activities this spring, including camping, pond, creek, and picnic tables.
- Bottle feed baby goats and go on a farm tour at Mount Gilead Farm in Leicester. By reservation only.
- Farm Fresh Ventures in Old Fort is open to the public and will have hydroponic lettuce, microgreens and tomatoes for sale this spring.
- Mountain Fresh Orchards of Hendersonville is having a Garden Jubilee at the Farm May 28-31. Enjoy train rides and bakery items, including apple cider doughnuts.



Strawberry season means lots of u-pick opportunities. (Photo WDW Strawberry Farm.)

- Woodland Harvest Mountain Farm of West Jefferson is an off-grid homestead with regenerative permaculture farming. Educational, hands-on workshops will be offered this spring beginning March 26.
- Rocky Forest Farm in Elkin will be reopening its farm stand this spring.
- Late Bloomers Flower Farm of Elkin will be open beginning in early March for u-pick flowers and cut bouquets.

Central NC

- Willow Oak Farms’ farm stand is opening with produce, on-the-farm ice cream shop, food truck events and craft vendor fairs in Fuquay-Varina.

(See Agritourism events, pg. 3)

Spotted lanternfly

(Continued from pg. 8)

Pennsylvania or New Jersey, Michael said.

That means that, unlike pests like Gypsy Moth and Emerald Ash Borer, most efforts around Spotted Lanternfly are directed toward early detection as opposed to quarantine.

“Most quarantines are located in the places where the pest already is, to make sure that SLF is not getting sent out of the state. In those states, no materials can be shipped out without a proper compliance agreement or permit,” Michael said. “For us, we’re very focused on early detection. We already have an invasive pest detection program based on traps that we conduct in vineyards, so we added visual surveys on top of that.”

The department has also

focused on mapping the spread of tree-of-heaven, which the Spotted Lanternfly has a particular fondness for. Tree-of-heaven also happens to be invasive, so when inspectors go to verify its presence, they also check the tree for Spotted Lanternfly, Michael said.

The department will also launch a new round of inspections focused on pool filters around Memorial Day. Done in partnership with the NC State Extension, the survey will encourage pool owners to check their filters for both Spotted Lanternfly and Asian Longhorn Beetle.

The bad news is that Spotted Lanternfly seems to have a good shot at eventually making its way into North Carolina. Studies have shown that the state’s climate is conducive to the insects’ life cycles,



Michael said, and NCDA&CS surveys have identified plenty of available host plants throughout the state.

Michael said that having members of the public keep their eyes out

for Spotted Lanternfly will go a long way. Luckily the insect is easily recognizable; adult spotted lanternfly have light gray forewings with black spots and with wing tips patterned with lines of small

black blocks. The hindwings are red and black with a white band, and their bodies are yellow with black bands down the middle.

“The more eyes, the better. A lot of new invasive pests just like this are found by average citizens, the person who found Spotted Lanternfly in Pennsylvania was a hunter who happened to see these strange bugs on tree-of-heaven,” she said.

If you think you have seen Spotted Lanternfly, please take a photo along with a size reference such as a quarter or pen and send it to badbug@ncagr.gov. Make sure to include the location of the sighting, the date and your contact information. To learn more about the Spotted Lanternfly, visit www.ncagr.gov/slf.

Hosford to lead Agricultural Finance Authority

The N.C. Agricultural Finance Authority Board of Directors selected Robert Hosford to serve as the finance agency's executive director. Hosford replaces Stephanie Oxley, who has served in that role since 2015 and retired on March 1.

"Robert understands North Carolina's agricultural community, as well as agriculture on a national scale," Troxler said. "This knowledge and experience will be a benefit to the Agricultural Finance Authority and the farmers that benefit from its services."

The N.C. Ag Finance Authority provides credit to agricultural operations in areas where financing is not available at reasonable rates and terms. The agency originates, services and finances farm loans, rural business loans, disaster loans and cotton gin loans. It also offers tax-exempt ag development bonds for agribusiness processing, ag-related manufacturing or ag waste disposal. The authority is associated with the N.C. Department Agriculture and Consumer Services, but is governed by a separate board of directors.

Hosford has most recently served as state director of Rural Development/USDA based in Raleigh. During his tenure, Rural Development obligated more than



Robert Hosford

\$4 billion in federal funds to assist with housing loans, water and environmental projects, business and industry loans and grants.

Hosford has previously served as NCDA&CS Director of Intergovernmental and Military Affairs. In this effort he spent a great deal of time working on foreign direct investment and economic development projects for

rural North Carolina. Prior to that, Hosford served as an NCDA&CS international marketing specialist specializing in cotton, forestry products, Christmas trees and meat products.

In 2004, Hosford was appointed by President George W. Bush as Chief of Staff of the Farm Service Agency in Washington D.C. In that capacity he oversaw the day-to-day operations of the 16,000-employee agency. Hosford has also worked for the National Cattleman's Beef Association as the Director of Agricultural Policy and the Texas and Southwestern Cattle Raisers Association as the Director of Government Relations and Public Affairs.

He graduated from Mississippi State University with a degree in Agricultural Journalism. Hosford also did postgraduate studies at Texas A&M University.

Hosford was born and raised on a diversified row crop, forestry and livestock operation in Mississippi. He and his daughter reside in Raleigh.

For more about Ag Finance Authority programs or to request a loan application, call 919-790-3949 or email at RequestLoanInfo@ncagr.gov.

Agritourism events

(Continued from pg. 2)

- Good Karma Ranch of Iron Station will be offering alpaca yoga, barn quilt-making classes, and farm tours, beginning weekends in March. Register ahead using website.

- CATHIS Farm of Lillington has dinosaurs loose on the farm. Visit the farm's website for tickets to this unique drive-thru event on April 16 - 18. Bring or rent your own Nerf Blaster.

- Robertson Family Farm of King will be opening its u-pick strawberry patch in May.

- Ingram's Family Farm of High Point will be open this spring with pick-your-own berries, a dessert barn, animal feeding and festival.

- Visit Homeland Creamery of Julian for scheduled farm tours, an April farmers market, and Easter Egg Hunt this spring.

- Dewberry Farm of Kernersville is hosting a Springtime on the farm u-pick event including tulips, baby chicks and bunnies, and photo ops. They are also hosting a Mother's Day tea. Visit website for tickets.

- Zebulon Farm Fresh Market of Zebulon is gearing up for their 2021 season with 24 dates from April to October. Visit the market to support local farmers and producers.

- Buckwheat Farm's u-pick strawberry season will be here mid-April through late May. Come to the farm in Apex for homemade jams, jellies and ice cream.

- Grass Grazed of Rougemont will be hosting farm-to-table dinners and educational workshops this spring.

- Millstone Creek Orchards apple barn, picnic area and playground in Ramsuer will be open in March. Spring photography sessions will also be offered. Be sure to get the apple cider slushies when you visit.

- Femrock Farm of Hillsborough offers an opportunity for visitors to "cut their own flowers" in its over 1.5-acre garden. The farm is also offering spring classes

by reservation through its website. A plant sale is also planned with pre-orders and drive-thru pickup.

- Sam Warren Farm, LLC's Bamyard in Spring Hope will open April 9 at 11 a.m. for the season. Visitors will find farm animals, a cow train ride, fresh produce, cut flowers, ice cream and more.

- Woodcrest Farm and Forge of Hillsborough will be offering private farm tours, blacksmithing classes and farm camps this spring.

- The ice cream stand at Karefree Produce in Carthage is opening for the season March 23. An open house will be held May 1 with craft vendors, food trucks, and music.

- Prodigal Farms of Rougemont is hosting farm tours by reservation only. Get up close and personal with the farm's herd of friendly goats.

- Make a reservation at Carolina Fun Factory in Carthage for pony rides, barn animal visits, and to take home your own farm fresh eggs.

- Mark your calendars for Dinner on the Farm: a distinctly local, al fresco, semi-formal community dining experience at Windy Hill Farm in Cedar Grove. Dinners will be held May 16 and June 20.

- Visit Brookhaven Mill Farm in Greensboro on Saturdays and Sundays for its petting zoo, snack shack and farm store.

- Get your timed-ticket to visit Sunshine Lavender Farm in Hurdle Mills on March 27 and April 10 for its annual Spring Lavender Planting Clinic and Sale. Reserve plants for contactless pick up or shipping. Farm Market will be open.

- Our Local Farm in Smithfield offers Farm Tours by reservation. Check out its Spring Break Farm School March 29 – April 1, and other upcoming classes.

- Baldwin Farms' Spring Farm Day will be May 1 from 11 a.m. -3p.m. Come learn about the farm in

Yanceyville, see local vendors, participate in games and activities, and more.

- Patterson Farm Market & Tours, Inc of Mt. Ulla will be having a Drive-Thru Experience Easter Egg Hunt, barn & playground, spring field trips (in person & virtual) and pick-your-own strawberries. Please check website or call to make reservations for events.

- Fine Family Farm of Denton offers a Certified Roadside Farm Market and a farm stay on Airbnb. Baby goat yoga events will be offered beginning in May.

- "Pick Your Own Bouquet" while enjoying the fresh air and sunshine at Flint Rock Farm in Cameron. Schedule a time to pick and arrange your flower bouquet from beautiful zinnias, cosmos and Black Eyed Susans. The season is anticipated to begin late May/early June.

Eastern NC

- Twiddle Dee Farm of Clinton welcomes members to schedule time on the farm to relax and escape to the great outdoors. Enjoy a farm store, animals and courtyard. Always accepting new members.

- WDW Strawberry Farm & Roadside Stand in Princeton will be opening in March for U-Pick and We-Pick strawberries.

- Garner Farms Inc's farm stand and u-pick strawberries in Newport will be opening in April. Check out the goodies from its farm kitchen, as well.

- The Winton Farmers Market in Winton will re-open the first Friday in May and will operate each Friday through November. Visit 3-6 p.m. for local produce, meat, eggs, fruit and baked goods.

- Dawson Solar/Wind Farms of Castle Hayne uses solar and wind power on its farm. They offer tours by reservation for 1-4 people. Also check out the farm's vertical herb garden.

Arbor Day is great time to celebrate and plant trees

Arbor Day was established as a tree-planting holiday in 1872. The first Arbor Day was celebrated in glorious fashion when more than a million trees were planted in Nebraska.

Today, all 50 states, and numerous countries recognize Arbor Day and its celebration of the planting, upkeep and preservation of trees.

The most common date for state Arbor Day observances is the last Friday in April, and several U.S. presidents have proclaimed a national Arbor Day on that date. However, several states observe Arbor Day at other times to coincide with the best

tree-planting weather.

In North Carolina, Arbor Day is observed the first Friday following March 15 and is an opportunity for our state to join in building awareness about the benefits of trees and to empower communities, organizations and schools to plant trees, care for trees and participate in urban forestry programs. This \ engagement and action are becoming more important than ever.

Each year, North Carolina is losing around 4,510 acres of urban tree canopy cover. What is urban tree canopy cover? Think of it as a blanket or the cover a parent might pull over a sleeping child in the night. Urban tree canopy is the

layer of tree leaves, branches, and stems that provide tree coverage of the ground when viewed from above. Urban tree canopy cover in North Carolina is an estimated 54 percent. The national average is about 39 percent. While North Carolina ranks in the top 10 states in the country for urban canopy cover, the estimated percentage of urban land in North Carolina grew from 9.5 percent in 2010 to 11.5 percent in 2020. Planting trees and responsible urban forest management in North Carolina are critical for keeping our state on the path to sustainable forest resources and realizing the benefits trees and forests provide.



Trees clean our air, filter our water and provide essential wildlife habitat and recreational opportunities.

Burley remains part of mix at Stronbach Farm

On social media, we post a Farm Feature Friday showcasing one of our dedicated North Carolina farmers. Be sure to tune in each Friday afternoon to our Facebook, Twitter and Instagram pages and help show your support for our local farmers!

They say if you love what you do you will never work a day in your life. Conner Stonbach, owner of Stonbach Farms in Mitchell County, has loved his life in farming and agriculture since day one. In fact, he started farming part of his family’s land in the fifth grade! “I got my love of agriculture from my grandma because she was the hardest working woman I ever knew, despite struggling with Multiple sclerosis,” Conner said, “my dad started getting ready for me to farm part of our land when I was in the fifth grade, and since then I have taken great pride in working hard in agriculture.”

Today, Conner and his family are most well-known for their five acres of burley tobacco. The harvesting process is a bit different for burley tobacco than it is for flue-cured, Conner explained. “After harvest, our tobacco bakes in the sun for two to six days, depending on the weather, before it is taken into the barn and spread out on tiers,” he said, “after curing for four to six weeks in the barn it is taken to be graded for quality.” The darker the tobacco tips are the higher quality it will be deemed.

In addition to tobacco, the Stonbachs also grow potatoes, sweet corn, hemp and raise beef cows. “The tobacco is a huge source of pride and historical significance for us,” Conner said, “because not only was it what this state was built on, but it changed



the way of life for many families, including mine.” Conner’s dad is the last farmer in Mitchell County still growing burley tobacco and when Conner was in high school he enjoyed educating his fellow classmates on their tobacco because he was the only student who had ever grown it.

A typical day on the farm depends on the season, but often involves a lot of spraying, suckering and working in the fields. “It can be

a tough industry because it relies heavily on the market and all comes down to the 30 or 60 minutes of the auction,” Conner said, “but seeing buyers come through and purchase your product is the best feeling in the world.” Although Conner and his family often sell to the “middle-man”, most of their products are said to end up with Phillip Morris or RJ Reynolds for cigarette filler.

(See Stronbach Farms, pg. 5)



Debris burning

(Continued from pg. 1)

and possible weather changes. Postpone outdoor burning during high winds or gusts, or periods of low relative humidity. Even if you have a valid permit, stop burning if strong winds develop.

Be sure you are fully prepared before burning. To control the fire, you will need a hose, bucket, steel rake and a shovel for tossing dirt on the fire. Keep a phone nearby, too.

Never use kerosene, gasoline,

diesel fuel or other flammable liquids to speed up debris burning.

Stay with your fire until it is completely out.

To learn more about fire safety and preventing wildfires and property damage or loss, visit www.ncforestservice.gov. To learn more about actions you can take to prepare your home and property for wildfire, visit www.resistwildfirenc.org.

Boll weevil

(Continued from pg. 1)

More than 6,300 traps were placed and maintained in North Carolina last year, with each trap monitoring an average of 52 acres. To allow for trapping and monitoring, cotton growers are required to certify cotton acreage with their local U.S. Farm Service Agency office by July 15.

Farmers in 47 counties grew 336,940 certified acres of cotton

last year. This acreage represented a nearly 32 percent decrease from 2019 totals due to poor planting conditions at the time. The top cotton-growing counties were Halifax, Martin and Northampton.

To learn more about the boll weevil monitoring program, go online to www.mcagr.gov/plantindustry/plant/entomology/BW.htm.

April AgroTips

Check your crop's sulfur needs.

Before planting, study your soil report carefully. Throughout North Carolina, soil levels of sulfur can be critically low. This plant nutrient moves easily out of the root zone in sandy coastal plain soils or sandy bottom lands in the western part of the state. In the piedmont, heavy clay soils may restrict root growth and limit access to sulfur reserves. Your NCDA&CS soil report indicates whether application of additional sulfur is necessary. If heavy rains occur early in the season, it is advisable to check sulfur levels again.

Use plant tissue and solution analyses to manage fertility of greenhouse tomatoes.

Tomatoes and other greenhouse crops benefit from intensive management. Have source water samples tested before nutrient solutions are mixed so you can identify and correct any potential problems. After mixing nutrient solutions, submit samples to make sure injectors are working properly and target concentrations are being achieved. Finally, collect plant tissue samples weekly to monitor the crop's nutrient status and adjust fertilizer rates accordingly.

Fertilize Christmas trees.

Each spring, apply 1/2 ounce of nitrogen uniformly over a 5×5-ft area around each tree. If trees were transplanted the previous fall and the potassium recommendation was 100 lb/acre or more, apply the remainder of the recommended potassium.

Submit soil samples for lawns and gardens (and some crops) now.

Now is a good time for horticulturists and homeowners to prepare for their spring gardening and landscape projects by taking soil samples. Warm-season grasses and many landscape plants will benefit from lime and fertilizer applied in the coming months. If you haven't already done so, there is still time to take samples from fields where you intend to plant late spring crops like burley tobacco, cotton, and bermudagrass pastures. In April, the lab can normally process samples within two weeks. When you receive your report, pay particular attention to lime recommendations and make application as soon as possible for maximum effectiveness.

Lime information

(Continued from pg. 2)

size openings are used to size particles. Smaller particles have greater surface area, which enhances chemical reactivity. In other words, a smaller particle of lime will dissolve much faster as it encounters soil acidity as compared to a larger particle. In North Carolina, 90 percent

of particles are required to pass through a very small meshed screen (20 mesh screen - 0.85 millimeter opening) to be effective. If specific screen sizes are not listed on the product label, the material being sold is not a lime.

By looking at the label and using

these tips, a discerning consumer is less likely to be misled into buying a product that is not effective as a lime. More information about lime products can be found at <https://content.ces.ncsu.edu/soil-acidity-and-liming-basic-information-for-farmers-and-gardeners>.

Stronbach Farms

(Continued from pg. 4)

The Stonbach family encourages supporting local businesses because it builds a stronger community and ties the money into our local economy. “When you support local you are possibly keeping a neighbor or friend in business,” Conner said.

In the future, Conner and his family hope to expand the farm into other commodities, including hemp, but always keep burley tobacco in the family tradition and heritage. “The significance tobacco has played in the life of my family and our state heritage as a whole is huge,” he said, “it is important to our past and should always be kept in our future.”

FARM EQUIPMENT

FARM EQUIPMENT

Ford 801 tractor, 12v, runs well, needs work; full set rear wheel wghts, \$2,700 nego; 20-disk harrow, \$175; other equip. Bob Porreca, Hillsborough 919-942-3945.

Set of cults for Farmall super A, LNC, \$200. Bill Eddinger, Lexington 336-479-2728.

JD 2440, EC, loader, roll bar, canopy, new tires, \$9,500. Garner Jarrell, Mt. Airy 336-648-4288.

1-row planter, \$190; Cub bottom plow, \$175; JD 4 mowing machine, \$250; Cub runoff bars, \$100. James Isley, Julian 336-263-1958.

Land Pride bush hog, 4 ft., 3 pt, \$950; Fimco sprayer, 55 gal, \$775; Fred Crane hyd hay spear, \$790. Chris Witherspoon, Valdese 828-381-6857.

Befco hay rake, 8-wheel, GC, \$3,200. Jerry Dickerson, Ruffin 336-613-1581.

IH 140 tractor, cults, fert drive, \$6,000; IH 100 tractor, cults, fert drive, \$3,500; other equip. Michael Nardo, Jackson Springs 910-281-3522.

Kelly log splitter for a tractor, \$500. Donald Cockerham, Lowgap 336-352-4767.

NH 163 4-basket tedder, \$1,500; hay rake, 10x10, \$1,500; NH 850 baler, \$2,000; 296 bush hog, \$2,000. James Kluttz, Rockwell 704-279-7675.

Hesston 530 rnd baler, used little, \$6,000. Jim Wehunt, Cherryville 704-692-0891.

Hesston PT7 haybine, GC, floating tires, field ready, sheltered, \$1,000. Steve Allen, Ramseur 336-408-5450.

4 rear wheel wghts for JD tractor, part #A3404R, 140 lbs. ea, \$150 ea. Rick Ingram, Greensboro 336-420-9253.

Sitrex QR8 rake w/kicker, \$4,800; Pequea HR1140 rotary rake, \$4,750; Bush Hog 2715, \$12,000; other equip. G. Rayle, Pleasant Garden 336-382-3732.

Bush hog, 8 ft., 10 hrs., \$6,000; Hardee DB4060 ditch bank trimmer, hys, 5 ft., 2 hrs., \$5,900. Gary Lee Ayscue, Louisburg 252-767-0203.

2014 Einbock pro-tine weeder, 20 ft. wide, used 4 times, EC, \$7,500. Kathy Davis, Mt. Pleasant 704-984-6488.

JD 101 corn picker, EC, restored & repainted, \$1,000. Marty DeMers, Sophia 336-509-0241.

Force Loader 3227 skid steer attach, 1 yd bucket, used little, \$3,500. Ted Barbee, Davidson 704-782-3360.

Millcreek manure spreader, 25 bu, LNC, \$1,300. Henry Zehr, Union Grove 336-468-6370.

Mahindra tractor, cab, ac/heat, hys trans, front end loader, rear hyd hookup, 80 hrs., EC, \$29,995. W.G. Efird, Oakboro 704-485-4694.

Kubota belly mower, 6 ft., GC, fits 2900 series tractors; some extra parts, \$1,100 obo. Jim Murray, Lakeview 910-638-5774.

Gill 1-row cult, \$75; JD 4 sickle mower w/manual, \$500; Woods RM48 mower, pto, \$400; other equip. Reggie Keistler, Charlotte 980-254-5876.

Ohio lawn sweeper, 42 in., extra lrg hopper, \$75; JD 3 mowing machine & 2 push plows, \$400/all. Robert Davis, Kernersville 336-414-2977.

Gleaner R60 combine, 20 ft. grain header, \$7,500; JD 918 grain header, \$2,000. Brent Strickland, Louisburg 252-213-2667.

1921 Fordson tractor, free motor, hot magneto, needs work, \$3,650; 1940 Ford 9N, step up trans, all orig, \$3,000. Tim Gaylean, Fairview 828-275-5283.

Ford 7610 tractor, \$11,000; NH 678 rnd baler, \$11,000; JD 64 rake, \$2,000; Lely disc mower, \$2,200; other equip. Randal Osborne, Sparta 336-372-2424.

NH 273 baler, \$2,000; Cole fert dist, \$500; NH 1-row tobacco setter, \$350; other items. Kenneth Chilton, Pilot Mtn 336-374-2410 or 399-1973.

1952 Ford 8N side dist tachometer, restored 4 yrs ago, w/box scrape, \$3,200. Ann Furr, Rockwell 704-798-3460.

2017 GP CPH15/1500 no till drill, EC, 15 ft., 7 ½ in. spacing, less than 300 ac, pivot hitch, detach coult, \$36,500. Jeff Sykes, Mebane 336-214-3443.

Pittsburgh cults, 3 pt, (1) 11-shank, fiberglass fert hoppers, Cole planters, plates, \$325; (1) 7-shank, fiberglass fert hoppers, \$225. Milt Sharpe, Rocky Mount 252-266-2124.

Magnetos, different makes & types, some w/gears, \$75 & up. Bill Payne, Madison 336-707-8840, 6-8 p.m.

JD B, hand clutch, needs work, \$7,000 obo. J.S. Walker, Haw River 336-260-4597.

2002 NH BR740 rnd baler, silage special, net & twine, new belts, w/bale slice, 11,000 bales, \$13,000. Gary Abernethy, Hickory 828-294-4497 or 381-1591.

Onan 2 cyl motor for wood splitter, w/hd pump, \$350. Joel Fogleman, Whitsett 336-345-0186.

Older Hobart welder, doesn't weld, w/Kaiser Jeep CJ2A eng, trailer mounted, RG, \$500. David Ollis, Bryson City 828-788-2432.

NH 1069 bale wagon, 460 eng, cab, air, 8-spd, 5,280 hrs., sheltered, \$25,000. R.G. Hammonds, Lumberton 910-734-2991.

Farmall super A, 1950s era, \$4,000 firm. Jeff Farmer, Wilson 252-296-6913.

1952 JD B, 3 pt, hyd cyl, \$3,650; w/o 3 pt, \$3,000. Barry Lindley, Pittsboro 919-742-4009.

Support
N.C. farmers



Buy Local

Classified Advertising

Ads are run free for N.C. residents & can be submitted by mail to 1001 Mail Service Center, Raleigh NC 27699-1001; online at www.AgReview.org; or by fax to 919-733-5047. Ads *must* include name, address including zip code, phone number including area code, and *price or price range for every item* being sold.

Deadline for each issue is noon on the first working day of the month prior to publication. Limit is 30 words, editor reserves right to edit or reject ads. Limit 2 ads/person in different categories.



Bees, Supplies
& Services
For Sale

NOTICE

N.C. law requires a permit to sell honey bees in the state. A permit is not required for: The sale of less than 10 bee hives in a calendar year, a one-time going-out-of-business sale of less than 50 hives, or the renting of bees for pollination purposes or their movement to gather honey.

Contact Don Hopkins, state apiarist, NCDA&CS, 1060 Mail Service Center, Raleigh, NC 27699-1001 for information.

5-frame honeybee nucs, \$175; 3 lb. honeybee pkgs, \$118. Keith Elks, Sophia 336-431-2339.

3 lb. pkg honeybees, hygienic queen, p/u Willow Spring, \$125; extra queens, \$35. Larry Tate, Willow Spring 336-972-3583.

Pollination services, Craven, Beaufort, Pitt, \$120-\$175; 5-frame nucs, overwintered queen \$200; other avail. Mike Thornton, Vanceboro 252-474-5695.

Elec extractor, \$800; 5 live hives w/supers, \$1,600; hive equip for 12 hives, stands, \$1,500; harvesting equip, \$400. Margaret Ollis, Newland 828-387-6339.

BEES

Hive wooden ware, hive bodies, supers, tops, bottoms, frames, inner covers, \$1 & up. Johnny Elliott, Harmony 704-614-5006.

Italian bees w/mated queen, 3 lbs., p/u 4/8, 4/17, 4/29, \$120; marked queens, \$5 extra. John Pledger, Trinity 336-475-5137.

Overwintered 5-frame nucs, in pro-nuc box, \$145. Jeff Telander, Elon 919-618-8094, telander@gmail.com.

11 strong hives, 9-frame slinger; deep, med, shallow frames w/pulled comb; 2 freezers, other items, \$3,000 /all. John Payne, Stokesdale 336-209-6594.

3 lb. pkg honeybees, p/u early April, \$125 due when order is placed; nucs avail June, \$165. Mark Houser, Rutherfordton 828-447-5944.

Honeybee colonies, 2 med 8-frame boxes, overwintered queen, \$200 ea. Carolyn Treffinger, Claremont 828-320-0991 or 320-9925.

3 lb. pkg Italian bees, p/u 4/11; w/unmarked queen, \$120; marked queen, \$126; deposit required. Jerry Lambeth, High Point 336-769-9224.

All season nucs & 3 lb. pkgs, \$150; queens, \$35. Wade Penny, Beulaville 910-290-4186.

Honeybees, 3 lb. pkg, \$110; nucs, \$160; queens, \$26. Garry Whitley, Albemarle 704-982-0698.

BEES

5-frame nuc, p/u approx 2nd wk in May, \$125. Terry Land, Taylorsville 828-310-4296.

5-frame nucs, p/u May, \$170. Preston Brown, Zebulon 919-404-1441 or 453-8440.

Top bar, Long Lang, 8-frame, doub deep, w/super, bees, marked queen, nucs; NC inspected, \$150-\$475. Ken Medlin Hurdle Mills 336-364-1915.

5-frame nucs in waxed cardboard nuc box, avail w/ overwintered queens, \$195; new queens mid-late April, \$170. Sam Bolick, Concord 704-795-3900.



Equipment
For Sale

MF 1327 disc mower, EC, sheltered, \$4,500. Alice Davis, Salisbury 704-855-4930.

Taylor-Way harrow, 24-disc, pull type, \$2,000; grain box & trailer, \$300; 2-bottom plow, \$250. J. Lloyd Mabe, Danbury 336-703-8232.

MF 39 2-row corn planter, row markers, several seed plates, fert/seed boxes EC, rubber pack wheels, \$950. James Dodson, Madison 336-613-2259.

Batch grain dryer, 500 bu, all elec, EC, \$4,500. Mark Shore, Walnut Cove 336-409-3529.

Frontier RT1142 rotavator, 3 pt, \$1,200. Greg Lowe, Salisbury 704-239-5083, text only.

FARM EQUIPMENT

2015 JD 5075E tractor, 4wd, cab w/heat/air/radio, 2 rear remotes, 700 lbs. front wghts, 202 hrs., other options, \$35,000. Kenneth Austin, Salisbury 704-245-8161.

MF 35 diesel deluxe, eng, tires, metal, seat & clutch in EC, sheltered, \$4,200. James Richardson, Liberty 336-521-8424.

NH 848 rnd baler, computer box & extra parts baler incld, \$4,800 firm. Henry Stogner, Norwood 704-438-1169.

2004 Farm Pro 2420 tractor, 2wd, diesel, good lift & tires, 149 hrs., GC, extra equip avail, \$2,500. Robert Johnson, Kernersville 336-788-8402.

2003 NH 1431 discbine moco, VGC, 13 ft. cut, new Circle C cond rolls, low use, stored inside, \$13,000. C.J. Leatherman, Newton 704-906-3190.

1993 MF 231 tractor w/ equip, \$6,995; garden tractor w/equip, \$250; 1970 Satoh tractor, 25hp, scrape blade, \$2,500. David Creason, Asheboro 336-736-0771.

200 gal ag spray, 25 ft. boom, pump & spray EC, \$1,200 obo. Brook Burnette, Roxboro 336-583-8776, call or text.

Gleaner F2 combine, VGC, 13 ft. grain head, 438 corn head, field ready, well maintained, shelter kept, \$12,000. Larry Hudson, Burlington 919-928-6086.

Kubota 2301 tractor, 62 hrs., detach bucket, quick hitch, 4 ft. bush hog, 4 ft. rotary tiller, all new 2020, \$18,900. Harry Partridge, Indian Trl 704-668-9272.

1981 Itnl 274 diesel, front/rear cults, fert hopper, belly planter, 3 pt, 1,494 hrs., \$7,000 obo. Charles Weddington Jr., Kannapolis 704-796-6964.

Jang JP-1 seeder, single row, has few rollers, never used, \$250. Lelia Gentry, Roxboro 336-504-4767.

Farmall 140 1 pt disc harrow, \$200; 1 pt turn plow, \$200; King Cutter bush hog, used little, \$450 firm. Kevin Collier, Liberty 336-215-7332.

6 ft. scrape blade, 1 pt, fast hitch, GC, \$300. Max Harrington, Sanford 919-258-3927.

NI 213 manure spreader, 12 ft., GC, \$1,500. Wylie Brown, Denton 336-857-2368.

2003 NH tractor, #TN55D, 16-spd trans, 2,951 hrs., \$18,000; JD hay spear, 500 series, quick attach, \$550. Johnny Wallace, Huntersville 704-201-4556.

Bed extension for Woodmizer sawmill, LT 40, 50 or 70 series, 12 ft., \$2,000. Tom Holton, Statesville 704-437-0144.

FARM EQUIPMENT

Kuhn disc mower, GMD600G II, 7 ft. 10 in. cut, \$3,975; Kasco sod drill, 72 in., 9-seed drop, \$6,500. Barry Nesbitt, Salisbury 704-642-0024.

NH 54A bale thrower, fits 268, 269, 273 & 275, \$385. Doug Isley, Reidsville 336-347-9106.

JD loader frames for 521/542, fits 5000 series, \$600 obo; skid loader metal tracks, Logering brand, \$1,000 obo. Doug Mills, Wingate 704-221-0833.

Howey 204 Christmas tree baler, B&S 8hp eng, squeeze cone, added elec winch for fat trees, \$1,200. Tom Waller, Cullowhee 828-743-0248.

JD 9930 cotton picker, 2-row, \$5,500; JD cotton picker parts, different models, \$25 & up; other equip. Robert Humbles Sr., Ayden 252-746-6576.

Steiger Bearcat tractor, 4wd, 18.4x34 dual wheels, Cat eng, not running, \$7,500 obo; other equip. Robert Humbles Jr., Ayden 252-746-6838.



Equipment Wanted

Feed grinder, FC. Hunter Choplin, Norlina 252-425-7304.

Farmall M eng, running cond, or whole parts tractor. Tyler Dunn, Robbins 336-963-4018.

Roller/crimper. Montie Roland, Sanford 919-412-0559 or montie@montie.com.

Hesston 1110 haybine or Itnl 8320 haybine; must be GC, no junk, reasonable price. James Dodson, Madison 336-613-2259.

JD 70 lawn tractor for parts, running or not. R. Saunders, Snow Camp 336-266-5230, call or text.

Factory fork attach & bucket for Long 5320 front end loader; Long quick attach, not skid steer. Gary Michael, Lexington 336-239-3717.

Grain bin, 18-22 ft., to repurpose as gazebo. Larry Winfree, McLeansville 336-707-8490.

Hay spear to fit Bush Hog 2446QT front end loader; not skid steer. Robert Altman, Dunn 910-308-1064.

Wide front axle for AC C. David Ollis, Bryson City 828-788-2432.

Used tractor parts to fit MF 50 or 65; mostly looking for front grill assembly. Lloyd Eggers, Sugar Grove 828-964-2675.

Caterpillar D6 for parts, 9U series, good diesel eng. Rickey Styles, Marion 828-756-6650, r.styles@frontier.com.

4wd tractor w/cab, bucket, ac, GC. Del Ray Wilson, Ramseur 336-963-9850.

Ford 309 corn planter plates; corn, beans, sorghum & filler plates; Ford 309 corn planters for parts. Charles Chamelin, Kernersville 336-769-4418.

EQUIPMENT WANTED

Tractor tire, size 12-4-28, GC. Jack Matthews, Charlotte 704-846-1903.

Front end loader for Itnl 484, VGC; need forks or hay spear & bucket. Kevin Collier, Liberty 336-215-7332.



Farm Labor For Sale

Farm fencing, woven wire w/wooden posts, board fencing, other types; \$6.15/ft. labor or less. David Watterson, Lexington 336-989-8829.

Elec fence repair, ssc, tsc, energizer, parmak, zareba, afw, \$15. Bobby Nichols, N. Wilkesboro 336-927-2850.

Vert & horiz mowing, ponds, dams, reclaiming property, shooting lanes, \$65/hr. + delivery. Roger McKenzie, Jackson Springs 910-528-2293.

Bush hog services, planting, fert/lime applications, sodding, seed spreading, more, \$100 & up. Zachary Traynham, Greensboro 336-689-6187.

Will haul livestock, willing to travel, \$3.25/mi. Luke Swaringen, Polkton 704-475-5179 or 438-8792.



Farmland For Sale

Land for sale must consist of at least 3 acres and be used for agricultural purposes, i.e. cultivation, raising livestock and/or other farm commodities.

Advertisers must indicate use of land.

53 ac hwy 87 E Elizabethtown, rd frontage, high elevation, close to beaches; can divide sm ac, \$250,000. Thomas Andrews, Lumberton 910-827-3563.

8 ac Stokes co, cleared, all rd frontage, for farming, planting, bldg, \$50,000. J. Lloyd Mabe, Danbury 336-703-8232.

12.36 ac near Franklin/Nash co line, currently used for pasture, mostly fenced, no restrictions, \$68,000. Diane Daniel, Castalia 919-500-2598.

9 ac in Linwood, pasture, woods, workshop, cattle barn, 2 storage bldgs, old silos, creek, water, elec & perk complete, \$125,000. Jim Duncan, Linwood 704-202-8143.

8 ac for lease Rockingham co, suitable for organic crops or pasture, \$1,000/yr nego. Norbert Hector, Browns Summit 919-368-4411.



Farmland Wanted

Farmland to lease for deer hunting, Piedmont area; ref avail. Jim Bumgarner, Kernersville 336-338-1315.

Land to lease for deer hunting, w/in 1 hr. drive of Lexington. David Watterson, Lexington 336-989-8829.

FARMLAND WANTED

Land to lease for dove hunting, gun dog training, Forsyth or surrounding co; Bill Cowan, Winston Salem 336-406-6007, Randall Patterson, 336-528-1074.

Land to lease for upcoming deer season, Guilford, Rockingham, Caswell, Alamance or surrounding area. Alan Meredith, High Point 336-442-0733.

Land to lease for bear & hog hunting, eastern/northeastern NC; mostly bow hunting. Jerry Alcon, Gibsonville 336-684-4547.

Land in eastern NC for purchase, 10-100 ac. Andy Lutz, Dallas 704-913-0510.



Hay & Grain For Sale

Peanut hay, rnd bales, net wrapped, can deliv 42 bales anywhere, \$20/bale. Larry Bullock, Greenville 252-883-4748.

Fescue, 4x4 rnd, wrapped or tied, stored inside on pallets, \$35/bale; will deliv for sm fee. Scott Beasley, Denton 336-239-7602.

Horse quality hay, fall 2020 cut, no rain, \$5/sq bale; \$25/rnd bale. Vernon Hill, Mt. Pleasant 980-621-5091.

Oat/fescue & mixed grass, 4x5, net wrapped, stored inside; lrg quantities avail, deliv possible, \$35/rl. Frankie Shoffner, Liberty 336-339-5961.

Mostly fescue, 4x4 rnd, \$30/bale. Valerie Cockerham, Yadkinville 336-416-2240.

Horse quality orchard grass/fescue, \$35/rnd bale; horse quality orchard grass, \$5/sq bale. Johnny Sowers, Lexington 336-239-3020.

Fescue mix, fall cut, 4x5 rnd, cow quality, net wrapped, deliv avail, \$25/bale. Wayne Britt, Pittsboro 919-614-1668.

Horse quality fescue, 4x5 rnd, in barn, \$50; cattle & goat hay, 4x5 rnd, in barn & outside, \$35-\$45. Justin Ridenhour, Salisbury 704-239-4032.

Cow & goat hay, 2020 cut, 4x4 rnd, barn stored, \$24 ea. Scott Davis, Denton 336-460-0831.

1st cut horse fescue, 4x5, \$35/bale; 2nd cut fescue/pasture grass, 4x5, cow quality, \$30/bale; all no rain, sheltered. Alice Davis, Salisbury 704-855-4930.

Coastal bermuda horse hay, heavy sq bales, clean, no rain, covered, \$6/bale. Jane Hammett, Jackson Springs 910-974-3647 or 330-9465.

Orchard grass/fescue, horse quality, 4x5 rnd, sheltered, \$40-\$45; cow & goat hay, 4x5 rnd, sheltered, \$35. Jay Hohn, Archdale 336-289-3686, no texts.

Horse quality hay, deliv avail, \$35/rl. H.O. Davis, Elon 336-260-7606.

HAY & GRAIN

Spring cut fescue mix, sq bales, \$5; 4x4 rnd, \$25. Dillon Pinnix, Reidsville 336-587-9042.

2020 orchard grass/fescue horse hay, 1st & 2nd cut, \$7.50-\$8.50/sq; cow hay, \$3.50/sq; (50) 4x5 rnd, \$30/rl. Barry Lindley, Pittsboro 919-742-4009.

Fescue/orchard grass, \$4/sq bale; rnd bales, \$25/rl. Thomas Berrier, Lexington 336-764-1051.

Orchard grass mix, sq bales, \$5. J. Lloyd Mabe, Danbury 336-703-8232.

Horse quality orchard grass/fescue mix, 1st & 2nd cut, at barn, \$5.50/bale pure orchard grass, at barn, \$6.50/bale. Marshall Ratliff, Reidsville 336-342-0068.

Fescue seed, 50 lb. bags, \$55/bag. David Edwards, Marshville 704-221-0311.

Fescue mix, 4x5 rnd, no rain, stored under shelter, on pallets, \$40-\$45/rl. Rick Ingram, Greensboro 336-420-9253.

Fescue, good quality, 150 heavy bales, \$4.50 ea. Fred Lowry, Union Grove 704-880-5031.

Orchard grass, sq bales, 45-50 lbs, no rain, barn kept, \$6.50/bale. Kenneth Chilton, Pilot Mtn 336-374-2410 or 399-1973.

Wheat straw, firm heavy bales, no deliv, \$5/bale. R.G. Hammonds, Lumberton 910-734-2991.

Wheat straw, lrg sq bales, \$3.50/bale. Eugene Bunn, Spring Hope 252-903-9980 or Derrick Bunn, 252-205-6477.

Mixed orchard grass, 2020 cut, 4x4 rnd, \$30/bale. Noel McCraw, Hendersonville 828-808-5803.

Horse hay, alfalfa & alfalfa/orchard grass, 21-bale bundles, \$240 & up. Derek Teague, Catawba 828-446-6111.

Fescue, 2020 cut, 3x5 rnd, barn stored, \$20/rl. Lesely Little, Statesville 704-903-8889.

Horse quality fescue, spring 2020 cut, 4x5 rnd, shed kept, no rain, \$40/rl. Mike Hicks, Greensboro 336-451-5397.

2020 fescue & coastal bermuda/crabgrass, 4x5 rnd, net wrapped, barn stored, \$40-\$45/bale. Jason Blackwelder, Wadesboro 704-467-4566.



Livestock For Sale

Blk Angus herd bulls, steers & heifers, Traveler, GT Maximum & 727 Executive blood, \$700 & up. Tim Moss, Graham 336-376-3773, 5-11 p.m.

LIVESTOCK

Charolais bulls, steers & heifers, 7 mos+, polled, \$800 & up. Wilbur Reeves, Statesville 704-929-0923.

Blk Angus bull, reg, Yon Baldridge Bronc, \$3,000. Bill Meares, Fair Bluff 910-234-7068.

Belted Galloway bull, dob 1/7/19, reg, dun & white, dam is red; will deliv in NC, \$2,500. Ann Furr, Rockwell 704-798-3460.

Reg Angus & SimAngus bulls, breeding age, all w/ recent breeding soundness exam, \$2,895. Steve McPherson, Snow Camp 336-263-6042.

2 rescue sheep, breed unknown, less than 2 y/o, \$400 cash. Lynn Eller, N. Wilkesboro 336-984-8694.

Reg Blk Angus bull, 3 y/o, \$2,500; semen tank, model AL-20, w/10 Blk Angus straws, 3 breeds of bulls, \$500/all. Renee Johnson, Bakersville 828-385-1616.

Boer bucks, dob 6/20, from reg herd, all shots, healthy, tame, \$200. Dodd Linker, Clemmons 336-712-2484.

SimAngus & Angus bulls, blk, polled, bred for calving ease, muscle & growth, \$2,000-\$2,500. William Pyle, Franklinton 919-215-5677.

Charolais bull, 24 m/o, \$2,000. Marcus Severt, Lansing 336-877-0005 or Jerry, 336-977-6112.

Reg Blk Angus bulls, Cowboy Up & Freightliner blood, great epd's, weaned to breeding age, gentle, \$800 & up. Danny Dennis, Mt. Gilead 910-571-1114.

Reg Hereford bull, 5 y/o, gentle, healthy, Revolution bloodline, \$2,500. Mike Bethea, Charlotte 704-534-6708.

Charolais bulls & heifers, pb, 7 mos & up, reg sires, polled, gentle, \$850 & up. Johnny Harrison, Salisbury 704-639-0867.

Blk Gelbvieh bulls, 17-18 m/o, reg, ready to breed, \$3,500 & up; reg bred cows, blk, ai sires, high quality, young, \$3,000 & up. Justin Ridenhour, Salisbury 704-239-4032.

Nigerian buck, 3 y/o, blk, blue eyes, \$100. Donald Edge, Hope Mills 910-425-5335.

Pb Spanish goats, 2 mature breeding bucks, \$350-\$400; 1 yearling buck, \$300; 4 bucks, dob 1/21, \$250. Stan Holcomb, Siler City 919-345-9855.

2 reg SimAngus bulls, 15 & 17 m/o, 1 ai Raising Cain, \$2,000 ea. Aaron Snow, Hamptonville 336-244-2926.

Sheep, all sizes, no shearing needed, \$125 ea & up. Henry Wagner, Hickory 828-256-2165.

Reg Jersey heifer, will calve late April/early May, gentle, \$1,500. Kenneth Young, Grassy Creek 336-977-2685 or 977-3040.

LIVESTOCK

Wye Angus bulls & females, EC, top 2% of Angus for grass conversion, \$1,400 & up. Jon Brubaker, Asheboro 336-629-5128.

Pb Kiko & 50/50 Kiko/Savanna goats, kids or breeding age, \$200 & up. Steve Jones, Thomasville 336-475-6539.

Alpine dairy doe & buck kids, milkers, dry yearlings, mature buck; adga reg, cae neg, \$100 & up. Leon Albright, Thomasville 336-250-7288.

2 Lowline Angus cow/calf pairs, not reg, cows 2 y/o, 1 heifer 3 m/o, 1 bull calf 1 m/o; prefer all go together, \$4,000 obo. Pat Perry, Zebulon 984-255-8292.

Fainting goats, \$150 & up. Joan Culberson, Silk Hope 919-259-6139.



Horses & Supplies Wanted

Old cotton wagons. Richard Petch, Ash 910-540-3251.



Poultry & Supplies For Sale

Hens, 2-3 y/o, \$10 ea; started pullets, hatched on farm, \$3 ea; roosters, 20 w/o & older, \$15 ea. Caroline Reynolds, Lawndale 704-472-4820.

Golden comet pullets, 18 w/o, ready to start laying, \$8 ea. Kevin Crumpler, Snow Hill 252-717-8411.

Spring hatch chickens, Dominique, Copper Blk Marans, Rhode Island Red, Ayam Cemani, \$3 & up. Joe Snow, Thurmond 336-648-5997.

Cochin bantams, 9 m/o, blk/silv & rust, \$10/pair. Pattie Remington, Shallotte 910-338-4304 or text 910-664-4235.

California, silver California, bluescale, gambel, 8 breeds bobwhite, partridge, philby, chukar, Hungarian, \$3 & up. Jimmy Furr, Stanfield 704-888-0213.

Orders for blk shoulder & India blue peacock chicks, \$25 ea; 2 blk shoulder males, 2 y/o, \$125 & up. Richard Simmons, Clarendon 910-640-7114.

1 Rhode Island Red & 3 Light Brahma roosters, hatched 6/20, \$10 ea. Dahl Tritt, Thurmond 336-469-8473.

Lubing drinker lines, \$10/stick; Ziggity & lubing regulators, \$25/regulator. David Edwards, Marshville 704-221-0311.

Male goose, 2 y/o, \$30. M. Smith, Pittsboro 336-376-8137.

6,000 started pullets, vaccs, debeaked, \$8 & up. E.D. Snider, Staley 336-708-2998.

Fantail pigeons, different colors, \$10 ea; 3 homing pigeon cages, well built, \$300/all. Charles Clark, Greenville 252-714-4832.

Ruddy shelducks, \$100 ea; Australian blk swans & mute swans, \$350 & up; Cape Barren geese, \$400 ea. Jim Simpson, Indian Trail 704-361-6497.

POULTRY & SUPPLIES

Blk shoulder peacocks, spring 2020 hatch, \$75/pair firm. Harold Richard, Wake Forest 919-528-2759.

Guinea fowl, 6 m/o, must bring own cage/box for transport, \$20 ea. Marsey Jancic, Cleveland 704-278-3030.



Poultry & Supplies Wanted

Silkie doves. David McCoy, Monroe 704-283-9547.

Cochin or Silkie bantams, any color. Wade Shelton, Mt. Airy 336-374-2254.

White cochin bantam hens/pullets. Sandi Howell, Mocksville 336-909-3683.

Peahens, 1-3, any size or age; white pigeons, preferably King pigeons, reasonable price. Eugene Iacona, Mt. Gilead 910-975-4408.



Seeds & Plants For Sale

PLEASE NOTE: Individuals or businesses offering nursery stock for sale in North Carolina are required to obtain either a nursery or nursery dealer license. For more information, contact the NCDA&CS Plant Industry Division at 800-206-9333 or 919-707-3730.

Scuppernong & muscadine vines, 5-6 ft., healthy, potted, planting & trimming instr incld, \$15. Bob Whitaker, Mocksville 336-469-4822, no texts.

Little white cucumber seeds, SASE & \$1 cash/tsp. Jim Bostian 6235 River Bend Rd, Claremont, NC 28610, 828-459-9276.

Blueberry plant variety, early, mid, late season; Covid-19 handling, lrg order discount, \$3.50-\$15. Michael Crippen, Garland 910-529-1469.

Sunflower seeds, 12-14 lb. flower, 15-18 in. diameter, SASE & \$3/25 seeds; \$5/50 seeds. N. Smoot, 6227 Welborn Rd, Trinity, NC 27370.

Bamboo poles, 30-40 ft. tall, free. Keith Gentry, Lowgap 336-352-4328.

Star of Texas hibiscus, red & yellow, \$1/color or mixture + 2 stamps; yellow & orange cosmos, \$1 ea. Willie Sue Stachnick, 1108 Chestnut Grove Rd, King, NC 27021.

Carolina Star hibiscus, crimson red blooms, SASE + \$3/25 seeds; \$5/50 seeds. Cecil Tilley, 463 Nurse Rd, Ararat, NC 27007.

Muskmelon seeds, SASE + \$3/50 seeds. Jimmy Tucker, 1997 Sheppard Mill Rd, Danbury, NC 27016.

Boxwood bushes, 2-5 ft., around 400 avail, buyer digs, \$10 ea. Rhod Lowe, Salisbury 704-202-9605, Mon-Sat, 8 a.m.-6 p.m.

Tuberose bulbs, single Mexican, instr incld, p/u or ship, \$1/lrg bulb; sm, med bulbs & extra lrg clumps avail. Cathy Reynolds, Salisbury 980-234-2515.

SEEDS & PLANTS

Tomato, okra, white cone-flower, jalapeno & cayenne; different varieties, SASE + \$3 ea. Leonard Moses, 2605 Laburnum Ave, Charlotte, NC 28205.

Native perennials, 4 in. tall pots, ready for planting, \$4.95 ea; 18+, \$4.49 ea. Greg Bruhn, Raleigh 919-790-0480.

Old English boxwoods, 18-36 in. tall, approx 30 y/o, 2 doz avail, \$0.90/in. tall. Gary Michael, Lexington 336-239-3717.

Loblolly pine seedlings w/white truffle fungus, \$35-\$50. Jeffrey Coker, Burlington 336-570-3137.

Sunflower seeds or Indian corn seed, mixed colors/sizes, SASE & \$3/30 seeds; \$5/60 seeds. Samuel Young, 840 Young Rd, Grassy Creek, NC 28631.

Bamboo poles or shoots, poles up to 40 ft. high, 3 in. diameter, \$7 ea, no mail order. Norbert Hector, Browns Summit 919-368-4411.

Medicimen marigold, running tomato, red dwarf hollyhock, cosmos mix, SASE & \$1/pk. Margie Banks, 653 Roper Rd, Flat Rock, NC 28731, 828-697-6607.

Cockscomb seeds, huge blossom head, crimson color, 18 in. stalk, about 200 seeds, SASE & \$3 cash. Barry Cox, 6225 Welborn Rd, Trinity, NC 27370.



Seeds & Plants Wanted

Rusty Coat apple trees for planting, 4 or 5. Mike Swink, Drexel 828-502-9099, twoeagles400@protonmail.com.

Little white cucumber seeds. Michael Harrill, Maiden 828-428-2312.

Small Animals For Sale

Tennessee redback rabbits, ground started, \$10 ea. Mark Hinson, Goldsboro 919-734-7800.



Supplies For Sale

Water totes, food grade, \$100; metal burning barrels, \$10; 15 gal plastic drums, \$20; other items. Jeff Brittain, Hickory 828-327-4782.

Fire extinguisher off combine, water type, stainless steel, 2 1/2 gal, easily refillable, \$35. Gary Michael, Lexington 336-239-3717.

Cat diesel generator, 125kw, \$2,500. Billy Hardin, Liberty 336-202-9855, billy@billyhardin.com.

Log tobacco barn, 18 x 18, \$850. Kenneth Chilton, Pilot Mtn 336-374-2410 or 399-1973.

T-posts, 6 ft., \$3 ea; 6 in. half rounds fence posts, 7 ft., \$3 ea. Jay Hohn, Archdale 336-289-3686.

FARM SUPPLIES

Lumber, air-dried 2 yrs; pine, \$1/bd ft; white oak, \$2/bd ft. Richard Reich, Winston-Salem, 336-764-4748.

Plastic pallets, 45x45x6, can deliv, \$5 ea. Bill Walker, Olin 704-880-0489.

Poplar lumber, 1 & 2 in. thick, \$1/bd ft. nego. Richard Hice, Pleasant Garden 336-674-6230.



Supplies Wanted

Evaporator pan for a molasses cooker, 4x12, stainless steel preferred. Randall Smith, Gold Hill 704-213-1679.



Trucks & Trailers For Sale

2020 landscaping trailer, 16 ft., \$3,350; Calico stock trailer, 16 ft., \$5,850. H.O. Davis, Elon 336-260-7606.

1972 Ford 750 cab-over, flat dump bed, inclds cab protector, grain sides, \$3,500 obo. Larry Winfree, McLeansville 336-707-8490.

2011 Chevy Z71 2500, hd, Duramax/Allison, gooseneck towing pkg, new 10-ply tires, 56,000 mi, LNC, \$35,500. Mark Mauldin, Salisbury 704-202-0112.

1980 Ford F350, 1-ton dump, needs repair, brakes & gas tank, FC, \$1,750. Eric Mabry, Albemarle 704-985-2528.

2008 Dodge Ram 2500 4x4, 4dr, 4wd, Cummins diesel, 138,000 mi, LNC, \$22,000 obo. Brooke Burnette, Roxboro 336-583-8776, call or text.

4 box van trailers, 48 ft., DOT approved, \$1,500/all; Argo Avenger 210, 8-wheel, 260 hrs., \$9,000. R.G. Hammonds, Lumberton 910-734-2991.

Dump bed, 10 ft. x 8 ft., elec over hyd lift, \$1,200. Joel Fogleman, Whitsett 336-345-0186.

2020 Bobcat UV34XLD, less than 20 mi on odo & 6 hrs. on eng, 4x4, diesel, manual dump bed, \$16,500. Drew Waller, Salisbury 704-213-1587.



Trucks & Trailers Wanted

20-ton equipment trailer. Brent Strickland, Louisburg 252-213-2667.

JD gator CX, any cond, doesn't have to run, nor do I care about body cond, need the transaxle. Tom Gale, Liberty 336-339-1070.

Read more on ag

To keep up with the latest on the N.C. Department of Agriculture and Consumer Services, check out the department's blog at www.ncagr.gov/blog.

Research Station director has lifelong ties to the division

It's not uncommon for a woman who grew up helping on the farm to embrace the term "farm girl," but what do you call a woman who grew up on one of North Carolina's agricultural research stations where farming meets academic research?

In one case, you could call that woman the division director. Teresa Lambert is now the director of the Research Stations Division in the N.C. Department of Agriculture. She may also embrace the "farm girl" term, but she's done a lot since growing up at the Upper Mountain Research Station in Ashe County.

"My dad was actually the burley tobacco supervisor, and at the time, supervisors were required to live on the stations," Lambert said.

Her family eventually moved about a mile down the road from the station, and in the late 1990's, she became the first woman to work at the Upper Mountain Research Station outside the office. She's quick to point out there are several women working on research stations these days.

"We have some rock star females that work at research stations," Lambert said before launching into a story about some passionate and knowledgeable women she worked with when she was superintendent of the Piedmont Research Station in Salisbury.

She's also quick to note that she's not the first woman to be the Research Stations Division director either. She's currently one of nine women who are directors of divisions in the N.C. Department of Agriculture and Consumer Services.

Lambert does recognize there are more men in agriculture and on the research stations though. She's never seen that be an issue. Perhaps that's because she's always worked hard and earned respect. You can tell by talking to her that Lambert may be modest in some ways, but she also conveys the confidence of someone who knows her worth. You can tell she's a hard worker. She's proven it over the years as well. She's found that in agriculture nobody cares if you're a man or a woman as long as you work hard.

"It does my heart good that regardless of what you read out there in the world, people don't see gender in agriculture because if you can do the job that's what matters," Lambert said. "Men and women work together every day on research stations, and nobody thinks a thing about it. It's cool."

Lambert said she acknowledges there are differences in men and women – innate strength and communication styles, for example. However, going back to working hard and earning respect, those differences don't matter much.

"I've always thought I can do anything the guys can do. They may be able to do it a little faster, but I can do it just as well," Lambert said. "If you have mutual respect for folks everything works itself out."

That sure does sound a lot like a woman who grew up in agriculture – willing to work hard and prove herself by letting the hard work speak for itself. Her grit is something Lambert said she brought up as she was interviewing for the promotion to division director.

"I told him he could have picked a lot of people that are smarter than me, but no one who would work harder. What I lack in that, I make up in determination," Lambert said.



New Research Stations Director Teresa Lambert is shown above with Agriculture Commissioner Steve Troxler (left) and on one of the state's 18 research stations. At right, Lambert teaches about tractor safety.



It seems her modesty may have shown through a bit too. Lambert has plenty of smarts and experience to lead the Research Stations Division.

Looking back

When Lambert graduated from high school, her dad gave her two acres of tobacco to manage during her summers. She'd earned enough scholarship money to pay for her freshman year, and then she tended to those two acres of tobacco well enough in the following years that they paid for the rest of her college. The month after she graduated from N.C. State with a bachelor's degree in animal science, she started working as a livestock agent at the Cooperative Extension office in Forsyth County. After three years, she took a job as the livestock supervisor at the Upper Mountain Research Station where her dad was still the burley tobacco supervisor. It was around then that she bought land for a house adjacent to her parents.

"[Before I graduated college] I'd worked for several years at Upper Mountain on a temporary seasonal basis and then was able to return. That's as cool as it gets – to work a mile from my house," Lambert said, looking back on that time.

"It was wonderful getting to work back at Upper Mountain. I got to work with Joe Hampton. He's the kind of guy you never forget, and you worked 150 percent for him because he trusted you to do a good job. I learned so much from him about how to be a manager. I owe a lot of where I am today to him. My dad had given me a great foundation, and Joe really

helped me build on that."

After her son was born in 2006, Lambert moved into the Meat and Poultry Inspection Division and then back into Cooperative Extension, earning her master's degree in poultry science along the way. In 2016, she moved back into working for the Department of Agriculture as the poultry unit manager at the Piedmont Research Station in Salisbury. By then, her mentor Joe Hampton was the supervisor of the station. When he retired the following year, Lambert was promoted to superintendent until she was promoted once again to Research Stations director in January, overseeing all 18 stations in the state.

Looking forward

"I think research stations are as important now as they have ever been," Lambert said. "We're not making any more farmable land or more water. If we're going to feed the growing population, we're only going to be able to do it with research."

Lambert thinks about studies that have predicted that the world population will outstrip current food production in just 29 years. She believes that agriculture has to make huge incremental increases in food output to meet that demand. Again, research is the way to make that possible she said.

"My grandmother lived to be more than 100 years old. I think about the fact that when she was growing up they used almanacs and mules, and by the time she died we were using G.P.S. and auto-steer tractors," Lambert said. "Research is what got us there in just one lifetime!"

State on the lookout for the destructive Spotted Lanternfly

While North Carolina has its fair share of invasive species already within the state, experts at the North Carolina Department of Agriculture and Consumer Services are also on the lookout for pests just outside of our borders.

The Spotted Lanternfly is a particularly worrisome pest with heavy breeding populations in several nearby states, and NCDA&CS experts are carefully monitoring its spread to minimize any damage it could do here at home.

Originally from China, the Spotted Lanternfly became invasive in Korea in 2004. The pest was

first discovered in America in 2014 in Berks County, Pennsylvania, and has since grown quickly to establish populations in nine states primarily in the Northeast.

Amy Michael, who leads the NCDA&CS Spotted Lanternfly program, said that the bugs likely entered the United States by stowing away on shipping boats.

"Spotted Lanternfly can lay its eggs on any flat surface, and we don't know exactly which shipments it came in on," she said. "However, there were several businesses in the area of the first population which did import products from China."

Spotted Lanternfly attacks more

than 65 plant species and can be highly destructive if not dealt with early. It sucks the sap from trees, covering the area beneath them with sticky, sugary excretions which can attract other insects and lead to fungal growth. In addition to the nuisance this pest causes average citizens, it has also become a major pest in grapes.

The good news is that Spotted Lanternfly does not have an established breeding population in North Carolina. Four individual insects have been discovered in the state, but so far there has been nothing on the scale of places like (See Spotted lanternfly, pg. 4)



Spotted lanternfly